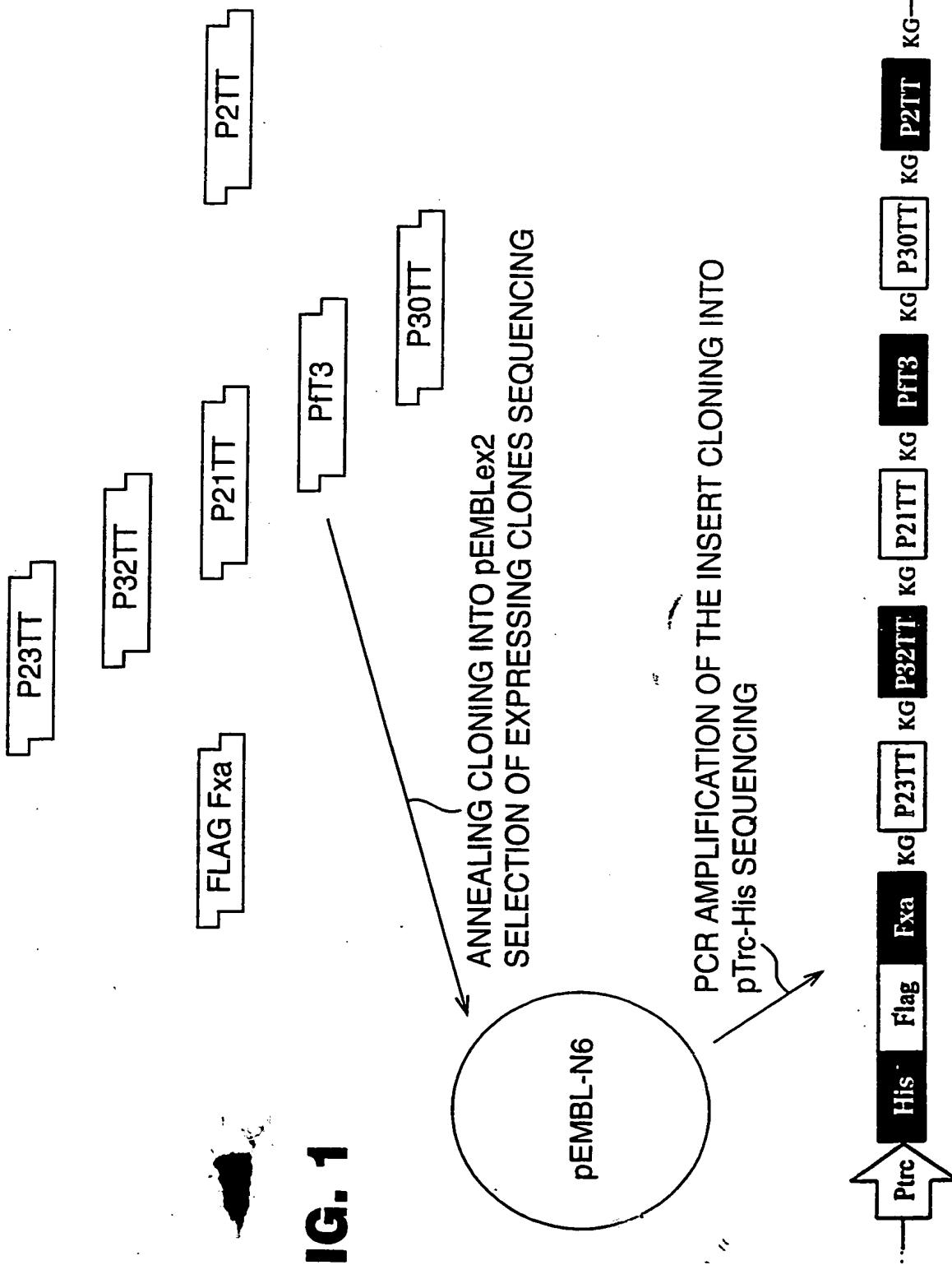


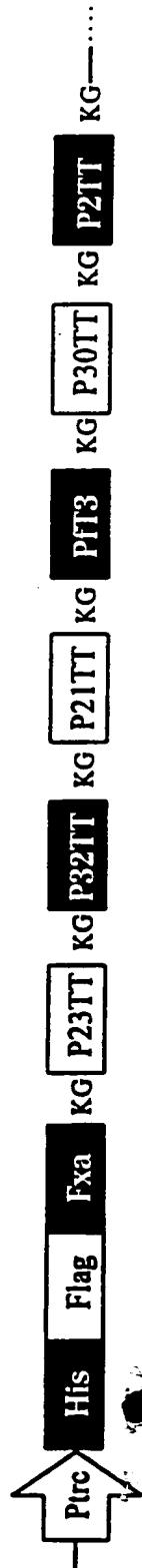
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FIG. 2

ATG GGG GGT TCT CAT CAT CAT GGT ATG GCT AGC ATG GAT TAC AAG GAC GAC GAT GAT ATC GAA GGT CGC
 Met Gly Ser His His His His Gly Met Ala Ser Met Asp Tyr Lys Asp Asp Asp Asp Asp Ile Glu Gly Arg

AAA GGT GTT TCC ATC GAC AAA TTC CGT ATC TTC TGC AAA GGT AAC CCG AAA AAA GGT CTG AAA TTC ATC ATC AAA CGT
 Lys Gly Val Ser Ile Asp Lys Phe Arg Ile Phe Cys Lys Ala Asp Pro Lys Lys Gly Leu Lys Phe Ile Ile Lys Arg

TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC AAC ACC CCG AAA CTG GAC CGT TGC AAC
 Tyr Thr Pro Asn Asn Glu Ile Asp Ser Lys Gly Ile Arg Glu Asp Asn Asn Ile Thr Leu Lys Leu Asp Arg Cys Asn

AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA ATG GCT TCT TCT GTT AAC GTT AAC TCT AAA GGT TTC AAC
 Asn Lys Gly Glu Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn Val Val Asn Ser Lys Gly Phe Asn

AAC TCC ACC GTT TCC TTC TGG CTG CGT GTT CCG AAA GTT TCC GCT TCC CAC CTG GAA AAA GGT CAG TAC ATC AAA GCT
 Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Lys Gly Gln Tyr Ile Lys Ala

AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCC TAA
 Gln Ser Lys Phe Ile Gly Ile Thr Glu Lys Gly Gly Ser End

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FIG. 2 (CONT'D.)

10



AAA GGT GTT TCC ATC GAC AAA TTC CGT ATC TGC AAA GCT AAC CCG AAA GGT CTG AAA ATC ATC AAA CGT
Lys Gly Val Ser Ile Asp Lys Phe Arg Ile Phe Cys Lys Ala Asn Pro Lys Lys Gly Leu Lys Phe Ile Ile Lys Arg

TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC ATC ACC CTG AAA CTG GAC CGT TGC AAC
Tyr Thr Pro Asn Asn Glu Ile Asp Ser Lys Gly Ile Asp Glu Asp Asn Ile Thr Leu Lys Leu Asp Arg Cys Asn

AC AAA GGT GAA AAG ATC GCT AAA ATG GAA AAA GCT TCT GTT AAC GTT TCT AAC TCT AAA GGT TTC AAC
Asn Lys Gly Glu Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn Val Asn Ser Lys Gly Phe Asn

AAC TTG ACC GTT TCC TTC TGG CTC CGT GTT CCG AAA GTT TCC CAC CTC GAA AAA GGT CAG TAC ATC AAA GCT
Asn Phe Thr Val Ser Phe Thr Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Lys Gly Glu Tyr Ile Lys Ala

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AAC-TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT ACC GCG CAG CGC GCG ATT CTG TGC TGG
Gln Ser Lys Phe Ile Gly Thr Glu Lys Gly Gly Ser Pro His His Thr Ala Leu Arg Gln Ala Ile Leu Cys Tri

GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC CTCG AAA CTG GCG ACC AAA GGA TCG
Gly Glu Leu Met Thr Leu Ala Lys Gly Ser Pro Lys Tyr Val Lys Glu Asn Thr Leu Lys Leu Ala Thr Lys Gly Ser

TTT TTT CTG CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGC TAT TCT GGC CCG CTG AAA GCG GAA ATT
Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu Asp Lys Gly Tyr Ser Gly Pro Leu Lys Ala Glu Ile

GCG CAG CGC CTG GAA GAT GTG AAA GGA TCC TAA
Ala Gln Arg Leu Glu Asp Val Lys Gly Ser End

FIG. 2 (CONT'D.)

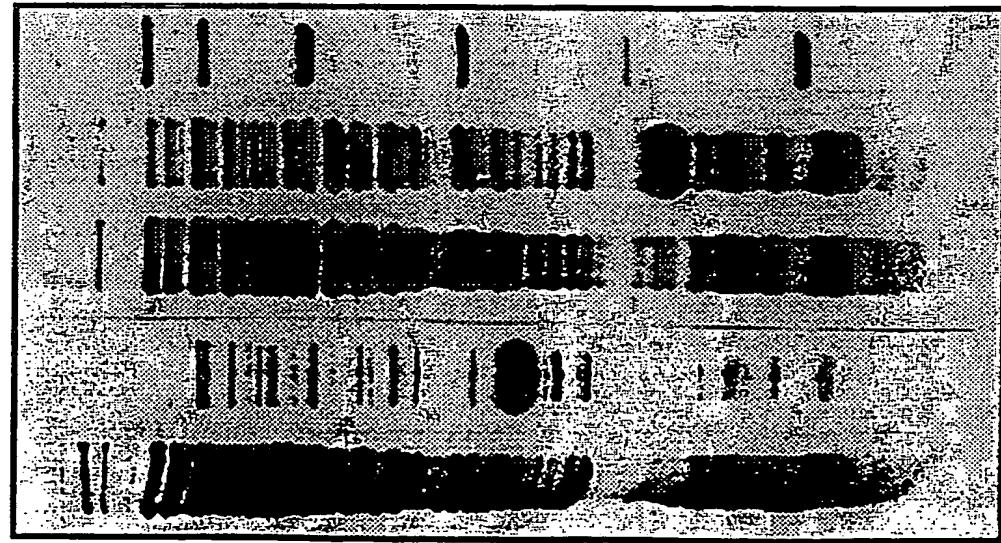
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FIG. 3

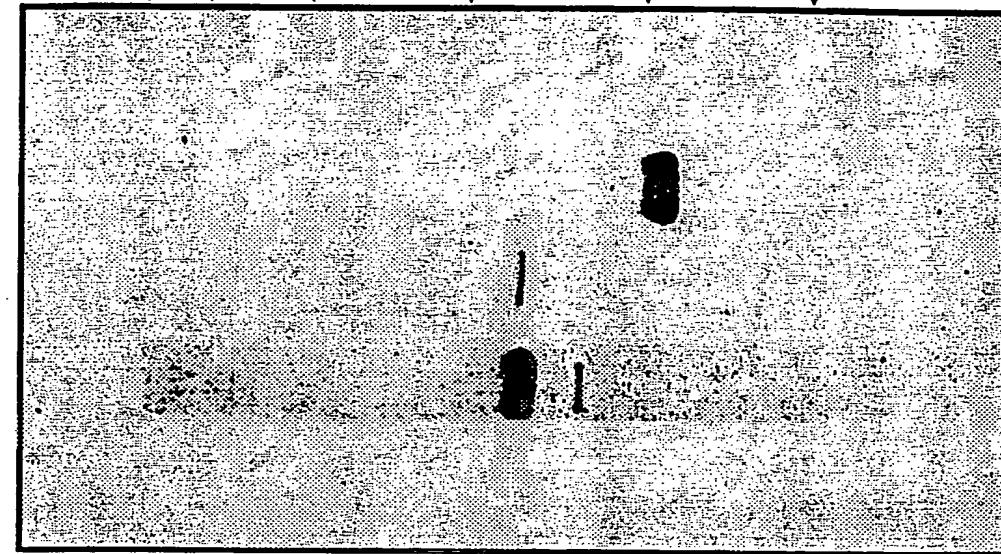
Coomassie

A B C D E kDa

**FIG. 4**

Western blot

A B C D E kDa



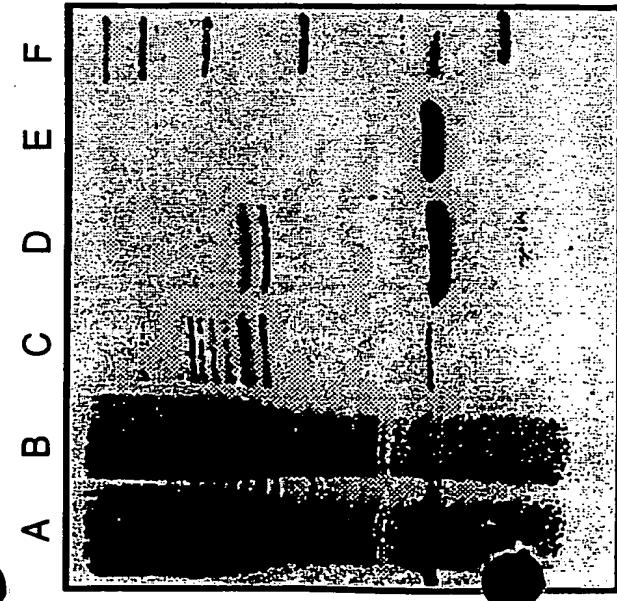
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94, 67, 43, 30, 20.1, 14.4 kDa

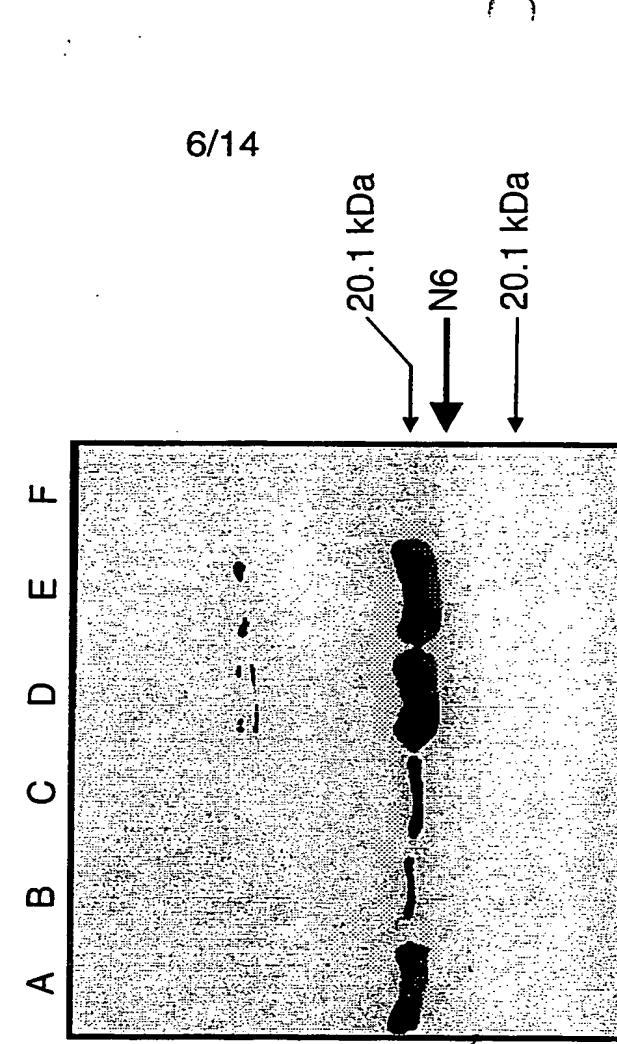
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FIG. 5

Coomassie

**FIG. 6**

Western blot



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FIG. 7

AAA GGT GTT TCC ATC GAC AAA TTC CGT ATC TTC GAA GCT AAC CCG AAA GGT CTG ATC ATC AAA CGT
LYS GLY VAL SER ILE ASP LYS PHE ARG ILE PHE CYS LYS ALA ASN PRO LYS GLY LEU LYS PHE ILE LYS ARG

TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC ATC ACC CTG AAA CTG GAC CGT TGC AAC
TYR THR PRO ASN ASN GLU ILE ASP SER LYS GLY ILE ARG GLU ASP ASN ASN ILE THR ILE ASN LEU ASP ARG CYS ASN

AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA GCT TCT GTT TCT AAC GTT TTC AAC
ASN LYS GLY GLU LYS ILE ALA LYS MET GLU LYS SER SER VAL ASN VAL ASN SER LYS GLY PHE ASN

AC TTC ACC GTT TCC TTC TGG CTG CGT GTT CCG AAA GAA GGT CAC CTC GAA AAA GGT CAG TAC ATC AAA GCT
ASN PHE THR VAL SER PHE TRP LEU ARG VAL PRO LYS VAL SER HIS LEU GLU LYS GLY GLN TYR ILE LYS ALA

AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT ACC GCG CTG CGC CAG GCG ATT CTG TGC TGG GLN SER LYS PHE ILE GLY ILE THR GLU LYS GLY SER PRO HIS THR ALA LEU ARG GLN ALA ILE LEU CYS TRP

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GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC CTG AAA CTG GCG ACC AAA GGA TCG
GLY GLU LEU MET THR LEU ALA LYS GLY SER PRO LYS TYR VAL ASN GLN THR LEU LYS LEU ALA THR LYS GLY SER

TTT TTT CTG CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGC TAT TCT GGC CCG CTG AAA GCG GAA ATT
PHE PHE LEU LEU THR ARG ILE ILE PRO GLN SER LEU ASP LYS GLY TYR SER GLY PRO LEU LYS ALA GLU ILE

GGC CAG CGC CTG GAA GAT GTG AAA GGA TCT CAG CCG TCT GTT CAG ATT CAG GTG TAT CAG GGT GAA CGT GAA ATC GCA
ALA GLN ARG LEU GLU ASP VAL LYS GLY SER GLN PRO SER VAL GLN ILE GLN VAL TYR GLN GLY GLU ARG GLU ILE ALA

TCT CAT AAC AAA GGA TCC TAA
SER HIS ASN LYS GLY SER END

FIG. 7 (CONT'D.)

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NO  Proc KG P23TT KG P32TT KG P21TT KG P30TT KG P2TT KG HBVnc KG HA KG HBAG KG -

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FIG.

AAA GGT GTT TCC ATC GAC AAA TTC CGT ATC TGC AAA GCT AAC CCG AAA GAA GGT CTG AAA TTC ATC ATC AAA CGT
LYS GLY VAL SER ILE ASP LYS PHE ARG ILE PHE CYS LYS ALA ASN PRO LYS GLY LEU LYS PHE ILE LYS ARG

TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC ATC ACC CTG AAA CTG CGT TGC AAC
TYR THR PRO ASN ASN GLU ILE ASP SER LYS GLY ILE ARG GLU ASP ASN ASN ILE THR ILE LYS ASP ARG CYS ASN

AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA GCT TCT TCT AAC GTT GTT AAC TCT AAA GGT TTC AAC
ASN LYS GLY GLU LYS LYS ILE ALA LYS MET GLU LYS ALA SER SER VAL PHE ASN VAL VAL ASN SER LYS GLY DHE ASN

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AAC TTC ACC GTT TCC TGG CTG CGT GTT CCG AAA GTT TCC CAC CTG GAA AAA GGT CAG TAC ATC AAA GCT
ASN PHE THR VAL SER PHE TRP LEU ARG VAL PRO LYS6 VAL SER HIS LEU GLN IYS CIV CIN TYS HIS IYS D

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AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT ACC GCG CTG CGC CAG GCG ATT CTG TGC TGG
GLN SER LYS PHE ILE GLY ILE THR GLU LYS GLY SER PRO HIS HIS THR ALA LEU ARG GLN ALA ILE LEU CYS TR

GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC CTG GCG ACC AAA GGA TCG GLY GLU LEU MET THR LEU ALA LYS GLY SER PRO LYS TYR VAL LYS GLN ASN THR LEU LYS LEU ALA THR LYS GLY SER

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TTT TTT CTG CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGC TAT TCT GGC CCG CTG AAA GCG GAA ATT
PHE PHE LEU THR ARG ILE LEU THR ILE PRO GLN SER LEU ASP LYS GLY TYR SER GLY PRO LEU LYS ALA GLU ILE

GGC CAG CGC CTG GAA GAT GTG AAA GGA TCT GTT TCC ATC GAC AAA TTC CGT ATC TTC TGC AAA GCT AAC CCG AAA AAA
ALA GLN ARG LEU GLU ASP VAL LYS GLY SER VAL SER ILE ASP LYS PHE ARG ILE PHE CYS LYS ALA ASN PRO LYS LYS

GT CTG AAA TTC ATC ATC AAA CGT TAC ACC CCG AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC AAC ATC
LY LYS PHE ILE ILE LYS ARG TYR THR PRO ASN ASN GLU ILE ASP SER LYS GLY ILE ARG GLU ASP ASN ASN ILE

ACC CTG AAA CTG GAC CGT TGC AAC AAC AAA GGT GAA AAG ATC GCT AAA GCT ATG GAA ATG GCT TCT TCT GTT TTC AAC
THR LEU LYS LEU ASP ARG CYS ASN ASN LYS GLY GLU LYS ILE ALA LYS MET GLU LYS ALA SER SER VAL PHE ASN

GTT GTT AAC TCT AAA GGT TTC AAC AAC TTC ACC GTT TCC TTC TGG CTG CGT GTT CCG AAA GTT TCC GCT TCC CAC CTG
VAL VAL ASN SER LYS GLY PHE ASN ASN PHE THR VAL SER PHE TRP LEU ARG VAL PRO LYS VAL SER ALA SER HIS LEU

GAA AAA GGT CAG TAC ATC AAA GCT AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT TCT CCG CAT CAT ACC GCG
GLU LYS GLY GLN TYR ILE LYS ALA GLN SER LYS PHE ILE GLY ILE THR GLU LYS GLY SER PRO HIS HIS THR ALA

TG CGC CAG GCG ATT CTG TGC TGG GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC
U ARG GLN ALA ILE LEU CYS TRP GLY GLU LEU MET THR LEU ALA LYS GLY SER PRO LYS TYR VAL LYS GLN ASN THR

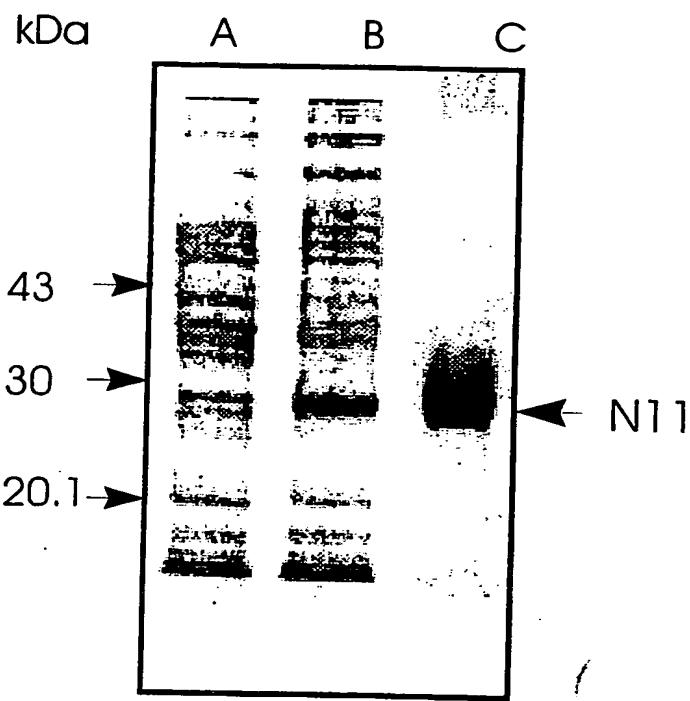
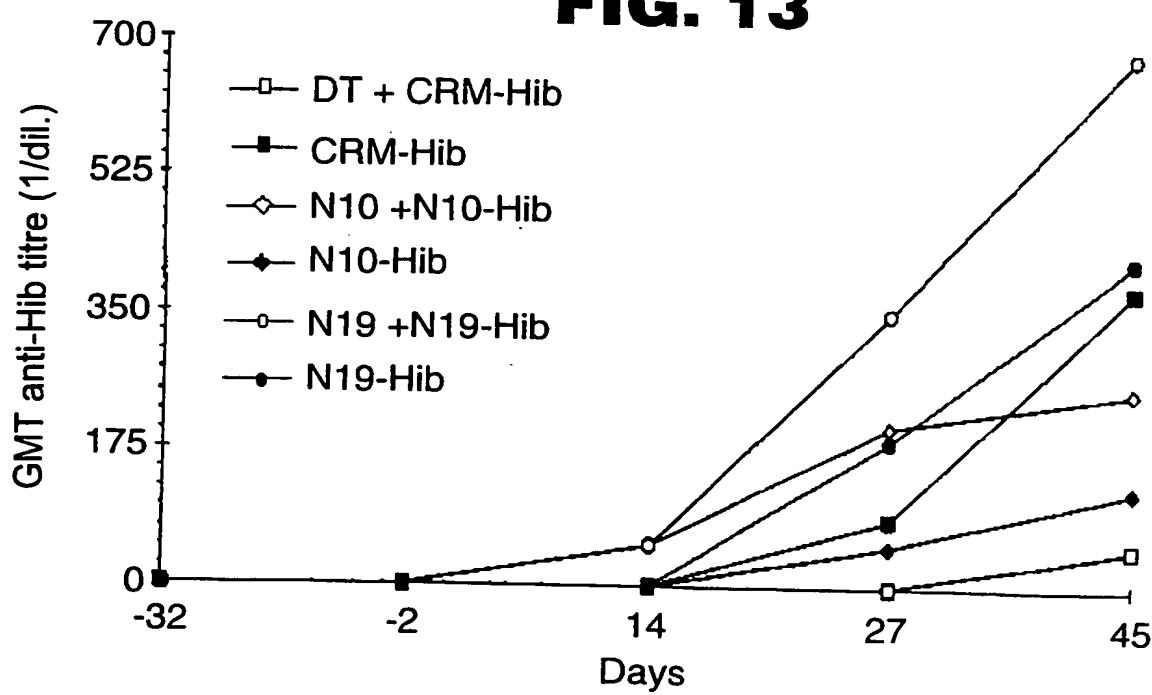
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LEU LYS LEU ALA THR LYS GLY SER PHE PHE LEU LEU THR ARG ILE LEU THR ILE PRO GLN SER LEU ASP LYS GLY SER

TAA
 END

FIG. 8 (CONT'D.)

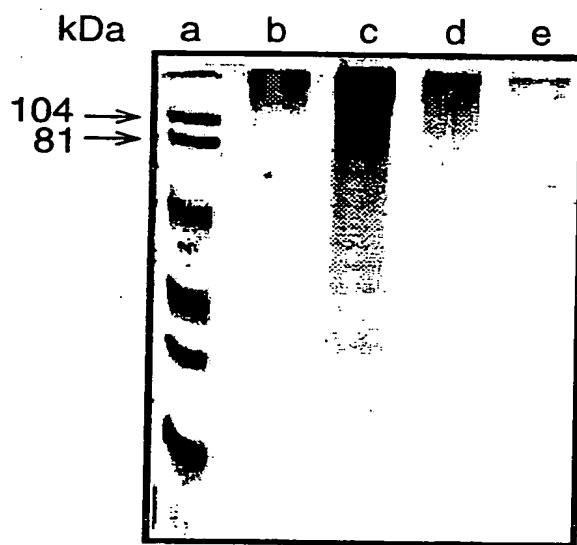
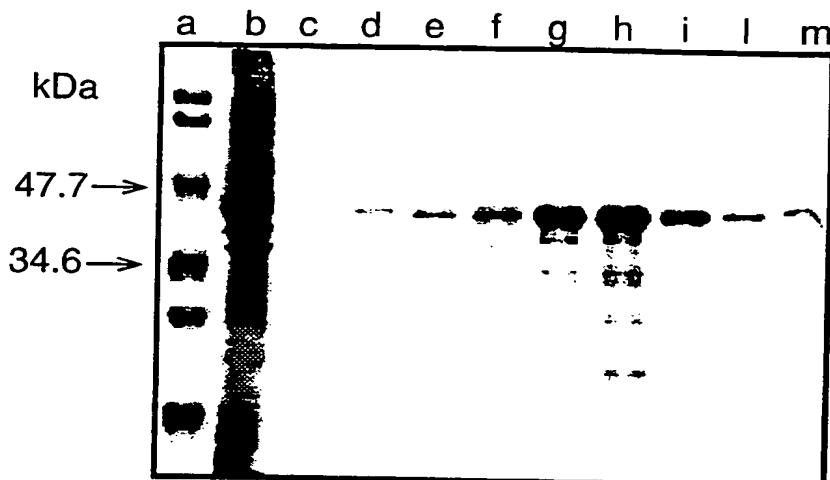
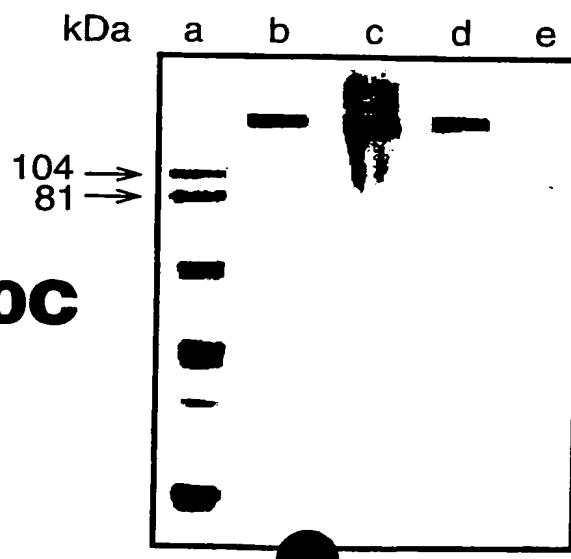
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FIG. 9**FIG. 13**

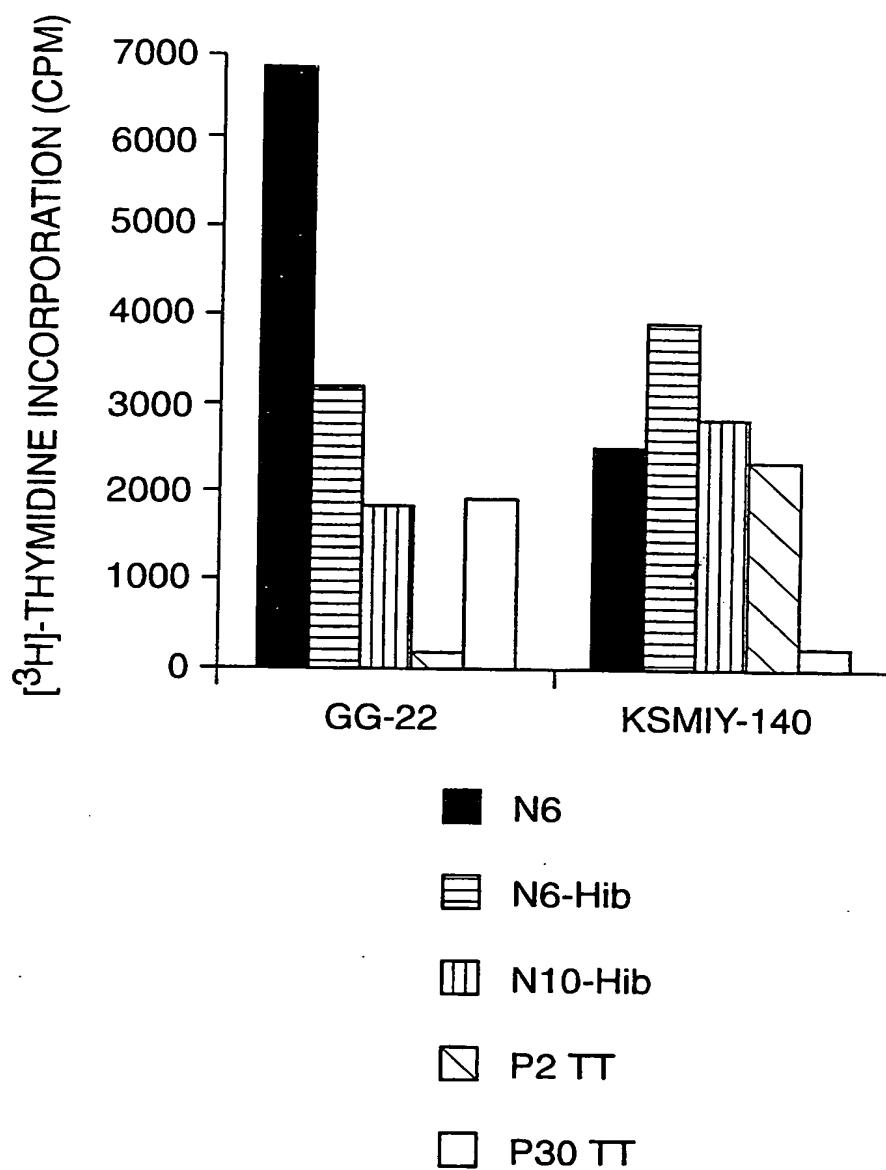
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FIG. 10A**FIG. 10B****FIG. 10C**

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FIG. 11

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FIG. 12

